

3/6
Fig. 3

A

HSC	PNK mNK (-OP9)	mNK (+OP9)	Unigene Genebank ID	Gene Name
			Id	
			Mm. 13944 BC031746	similar to ribosomal protein S4, X-linked
			Mm. 7723 NM_019402	Similar to ribosomal protein S9
			Mm. 13917 BC007139	poly(A) binding protein, nuclear 1
			Mm. 10706 BC003459	ribosomal protein L22
			Mm. 18516 AK002928	RIKEN cDNA 2010004123 gene
			Mm. 6343 AK005420	unnamed protein product; H3 histone, family 3B
			Mm. 30141 AK002604	unnamed protein product; nucleophosmin 1
			Mm. 197601 BC024385	guanine nucleotide binding protein, beta 2
			Mm. 5043 BC025814	heat shock 10 kDa protein 1 (chaperonin 10)
			Mm. 45354 AK014157	FB) osteosarcoma oncogene
			Mm. 18700 AK010851	unknown EST (CG18070.284)
			Mm. 482 BC021888	no description
			Mm. 29571 BC005766	Unknown (protein for MGC:11557)
			Mm. 27927 AK007802	RIKEN cDNA 1200017E04 gene
			Mm. 29460 BC008610	unnamed protein product; heterogeneous nuclear
			Mm. 24108 BC027546	adenylate kinase 2
			Mm. 81475 AK008859	mitochondrial ribosomal protein S21
			Mm. 29265 AK013416	unnamed protein product; hypothetical protein
			Mm. 41780 AK003187	unnamed protein product; LIM only 2
			Mm. 34319 AK004872	guanine nucleotide binding protein (G protein)
			Mm. 29743 BC006603	unnamed protein product; putative
			Mm. 47914 BC039290	Similar to hypothetical protein MGC3133
			Mm. 18688 BC006774	no description
			Mm. 1141 AK017863	Similar to transmembrane trafficking protein
			Mm. 18087 BC003754	unnamed protein product; hepatoma-derived growth
			Mm. 142822 AK014366	lectin, galactose binding, soluble 9
			Mm. 46631 AK003092	unnamed protein product; Ewing sarcoma homolog
			Mm. 16660 BC008549	unnamed protein product; hypothetical UbiA
			Mm. 22385 AK002966	Similar to Protein disulfide isomerase
			Mm. 25709 BC016573	hypothetical PA-phosphatase related phosphoesterase
			Mm. 182131 AK010596	inhibitor of growth family, member 1
			Mm. 159864 AK020375	proteasome (prosome, macropain) 25S subunit
			Mm. 28550 AK011415	unclassified
			Mm. 1187 BC038340	unknown EST (CG18076.193)
			Mm. 196484 BC006912	hydroxysteroid (17-beta) dehydrogenase 11
			Mm. 30245 BC003217	Similar to cysteine rich protein
			Mm. 140838 AK007351	Similar to phosphatidylserine decarboxylase
			Mm. 1843 AK004658	unnamed protein product; putative
			Mm. 30149 U45978	unnamed protein product; heat shock protein, 86 kDa
			Mm. 21507 AK007569	Cab45b
			Mm. 2338 AY044241	coated vesicle membrane protein (MGD) (MG1192925)
			Mm. 29153 BC018324	glutamine synthetase
			Mm. 24036 BC004080	RIKEN cDNA 2610205H19 gene
			Mm. 6579 AK010718	Similar to KIAA0171 gene product
			Mm. 28286 BC034875	unnamed protein product; centromere autoantigen A
			Mm. 34497 BC014865	Similar to RIKEN cDNA 493140620 gene
			Mm. 46503 BC027739	RIKEN cDNA 2510002C21 gene
			Mm. 117055 BC020076	203B1200 not found
			Mm. 28550 BC019118	RIKEN cDNA 4432412015 gene
			Mm. 631 BC012571	Similar to RA36C, member RAS oncogene family
			Mm. 29515 BC027351	Unknown (protein for IMAGE:4016523)
			Mm. 18472 AK012174	Unknown (protein for MGC:36924)
			Mm. 21892 AK011324	protein product; 26S PROTEASE REGULATORY
			Mm. 238874 BC039978	evidence:NAS
			Mm. 24858 BC026547	no description
			Mm. 214645 BC013457	Similar to CGI-147 protein
			Mm. 4079 BC025744	Similar to hyaluronoglucosaminidase 3
			Mm. 27330 NM_020618	Similar to hypothetical protein FLJ12750
			Mm. 131615 AK075078	SWI/SNF related, matrix associated, actin
			Mm. 535 AK002455	transcription factor MLR1
			Mm. 29452 AK004115	unnamed protein product; putative
			Mm. 29924 BC010196	unnamed protein product; SIGNAL RECOGNITION
				Unknown (protein for MGC:7110)

B

HSC	PNK mNK (-OP9)	mNK (+OP9)	Unigene Genebank ID	Gene Name
			Id	
			Mm. 1583 M18466	lymphocyte differentiation antigen
			Mm. 4235 M64252	c-kit ligand
			Mm. 3939 L20315	MPS1 protein
			Mm. 143755 BC027328	Similar to bone marrow stromal cell antigen 2
			Mm. 16251 AK008429	unnamed protein product; proteasome
			Mm. 4560 BC032170	Unknown (protein for IMAGE:5346882)
			Mm. 30111 BC038025	Unknown (protein for IMAGE:3966957)
			Mm. 159648 BC027496	RIKEN cDNA 5830413L19 gene
			Mm. 163 M10416	beta-2 microglobulin mRNA
			Mm. 1508 BC002055	Similar to benzodiazepine receptor, peripheral
			Mm. 30071 AK013963	unnamed protein product; lysosomal-associated
			Mm. 13705 AK019964	unnamed protein product; putative
			Mm. 24045 AK010906	unnamed protein product; putative
			Mm. 14302 D83548	C-C chemokine receptor 5
			Mm. 29586 AK011545	BRAIN ACID SOLUBLE PROTEIN 1 (BASPI PROTEIN)
			Mm. 3189 U83172	cell-surface glycoprotein p91
			Mm. 10809 BC038070	Similar to Fc receptor, IgG, low affinity IIB
			Mm. 15571 X53379	no description
			Mm. 9277 AK005158	unnamed protein product; phospholipase A2 group VII
			Mm. 2656 M59378	tumor necrosis factor receptor 1
			Mm. 46356 BC023802	Similar to hypothetical protein FLJ11000
			Mm. 34126 AF330052	retinoid-inducible serine carboxypeptidase
			Mm. 235 BC019850	ubiquitin B
			Mm. 3074 AK007265	unnamed protein product; putative
			Mm. 88349 AK014282	protein product; SMALL MEMBRANE-ASSOCIATED
			Mm. 45579 AF110803	interleukin-18 binding protein precursor
			Mm. 31178 BC037E15	Ras-related GTP-binding protein ragA
			Mm. 30270 BC001982	proteasome (prosome, macropain) subunit, alpha
			Mm. 22727 AK009435	chloride channel 7 (MGD) (MG1347048)
			Mm. 205022 BC030186	Similar to putative zinc finger protein
			Mm. 57975 BC010476	RIKEN cDNA 1600014C10 gene
			Mm. 1314 U13371	unknown
			Mm. 195934 AK007777	unnamed protein product; B cell phosphoinositide
			Mm. 2970 J03723	carbohydrate binding protein 35
			Mm. 151104 AK021301	unnamed protein product; PROTEIN HSPC163 homolog
			Mm. 220949 BC002092	v-maf musculoaponeurotic fibrosarcoma oncogene
			Mm. 28337 AK014605	HYPOTHETICAL HEART PROTEIN (FRAGMENT)
			Mm. 1387 NM_017382	RAB11a, member RAS oncogene family
			Mm. 45161 AK009377	unnamed protein product; putative
			Mm. 39281 BC031464	RIKEN cDNA 5830498C14 gene
			Mm. 167842 BC012667	Similar to integrin-associated protein
			Mm. 23717 BC008129	14-3-3 protein gamma-subtype
			Mm. 153911 AK009211	unnamed protein product; plastin 2
			Mm. 22711 BC003290	cyclin I
			Mm. 1374 Z36233	sialoadhesin
			Mm. 205010 BC014875	Unknown (protein for MGC:6520)
			Mm. 29194 AK007070	POTASSIUM CHANNEL MODULATORY FACTOR homolog
			Mm. 35389 AK005336	unnamed protein product; cytochrome c, somatic
			Mm. 27300 BC019427	Similar to hydroxysteroid 17-beta dehydrogenase
			Mm. 135290 BC027371	Similar to RIKEN cDNA 4930434H03 gene

4/6
Fig. 3

C

HSC	pNK _h NK (-OP9)	mNK (+OP9)	Unigene Genebank ID	Gene Name
			Mm.13020	NM_009438 ribosomal protein L13a
			Mm.15085	BC002065 Unknown (protein for MGC6156)
			Mm.28149	AK013984 unknown EST (GB AW555045)
			Mm.213045	BC023908 Similar to heterogeneous nuclear
			Mm.221288	BC028949 Similar to RIKEN cDNA 9030624 G23 gene
			Mm.1034	BC006606 protein phosphatase 2 (formerly 2A), regulatory
			Mm.389	BC003828 Similar to RAS-related C3 botulinum substrate 1
			Mm.30864	BC004747 Similar to Kruppel associated box (KRB) zinc
			Mm.196581	BC006708 Similar to mitogen activated protein kinase 1
			Mm.22435	BC003961 Similar to RIKEN cDNA 5730410D03 gene
			Mm.200518	BC015245 solute carrier family 6 (neurotransmitter)
			Mm.22506	BC027314 G7e protein
			Mm.20491	AB041553 hypothetical protein
			Mm.35837	AK005111 weakly similar to PPI065 (Homo sapiens)
			Mm.22670	AK004719 unnamed protein product; putative
			Mm.171547	BC026534 Similar to coronin, actin binding protein, 2A
			Mm.148782	BC010215 pleckstrin homology domain-containing, family A
			Mm.39677	AK017659 unnamed protein product; hypothetical Serine-rich
			Mm.14145	X03802 Tcell receptor gamma chain
			Mm.22061	BC025800 sema domain, immunoglobulin domain (Ig)
			Mm.2389	L17069 All-1 protein
			Mm.15479	NM_013543 estradiol 17 beta-dehydrogenase B
			Mm.27094	AK009218 unnamed protein product; NUCLEAR PROTEIN SKIP
			Mm.59049	AF155546 hypothetical protein
			Mm.21606	AB046114 reticulin 3
			Mm.12193	BC003885 Similar to 60S ribosomal protein L30 isolog

D

HSC	pNK _h NK (-OP9)	mNK (+OP9)	Unigene Genebank ID	Gene Name
			Mm.29911	AK014294 unnamed protein product; RIBOSOMAL PROTEIN S271
			Mm.41746	BC010967 Similar to RNA polymerase II transcriptional
			Mm.13886	BC010791 suppressor of initiator codon mutations
			Mm.175612	AF457251 cyclin ania-6a
			Mm.321	AF515708 osteopontin
			Mm.28349	BC013640 Similar to MIP65 protein
			Mm.196616	AK019465 Y box protein 3 (MGD MG11096351)
			Mm.14255	AK021331 amyloid beta (A4) precursor protein-binding, family
			Mm.216195	AF486451 from a Homo sapiens melanoma cell line infected
			Mm.20183	AK021021 unnamed protein product; hypothetical protein
			Mm.205030	BC023898 Similar to eukaryotic translation initiation
			Mm.3785	AK012612 unknown EST (GB AU080327)
			Mm.142195	AK008670 unnamed protein product; putative
			Mm.204990	BC011285 Unknown (protein for MGC7004)
			Mm.27880	BC026856 CUG triplet repeat, RNA binding protein 2
			Mm.196585	BC023905 Similar to SKB1 homolog (S. pombe)
			Mm.3380	AK014590 unnamed protein product; KINESIN HEAVY CHAIN
			Mm.123648	BC024054 Similar to platelet activating receptor homolog
			Mm.3420	L28117 no description
			Mm.4143	D78188 scid lung fibroblast cell line established by SV40
			Mm.143830	BC013616 alpha actinin 4
			Mm.205421	BC022140 Unknown (protein for IMAGE5101040)
			Mm.24138	BC005676 Similar to Cell surface glycoprotein CD44
			Mm.10702	AK013924 calcyclin binding protein (MGD MG11270839)
			Mm.30177	AK004388 unnamed protein product; hypothetical protein
			Mm.63573	AK011125 unnamed protein product; hypothetical Trp-Asp (WD)
			Mm.103551	AK016482 unnamed protein product; putative
			Mm.27818	BC002233 Unknown (protein for IMAGE3431454)
			Mm.4948	BC032149 Fyn proto-oncogene
			Mm.89061	AK013831 unnamed protein product; putative
			Mm.154503	AK014474 unnamed protein product; hypothetical Vacuolar
			Mm.27194	AK008430 DNA segment, Chr 7, Roswell Park 2 complex
			Mm.22358	AK008637 DNA-DIRECTED RNA POLYMERASE III 12.5 kDa
			Mm.43750	BC010484 signal peptidase complex (18kd)
			Mm.200372	BC019444 coronin, actin binding protein 1C

5/6
Fig. 3

E

	HSC	pNK	mNK	Unigene ID	Gene Name
				BC002055	benzodiazepine receptor
				Z36233	sialoadhesin
				BC029900	serine protease inhibitor 6
				AF143539	decay accelerating factor
				AF106008	NK cell protein group 2-A1
				AB033769	NK receptor Ly-49Q
				AF110803	IL-18 binding protein d precursor
					inhibition of NK activity
					functions as an inhibitory receptor in human NK cells
					suppression of exocytosis(perforin and granzyme) from NK cells
					inhibition of human NK cytotoxicity
					an inhibitory receptors
					predicted to function as an inhibitory receptor
					inhibition of NK cells responses

F

	HSC	pNK	mNK	Unigene ID	Gene Name
				X01023	c-myc protein
				BC005676	CD44
				AF013274	type I interferon receptor
				L24495	CD27
				BC006708	mitogen activated protein kinase 1
				AF082803	NK cell receptor 2B4 splice variant
				U12889	Ly49H
				BC039947	phospholipase A2, group IVB
				AJ440756	IL-1 receptor-associated kinase 2
				M60778	lymphocyte function-associated molecule-1- α
				NM_007589	calmodulin 2
				AF054581	IL-2 receptor
				AF515708	osteopontin
				BC025597	Ca ²⁺ /calmodulin-dependent protein kinase II γ
				BC031121	protein kinase C, ϵ 2a
				BC004714	heat shock protein, 70 kDa 2
				L29480	serine/threonine kinase
				M27266	p53fyn
				BC029727	zeta-chain (TCR) associated protein kinase
				X53594	mature HSP60 protein
				AB062122	protein kinase C theta II
				BC030928	mitogen activated protein kinase kinase kinase 11
				AB032200	granzyme K
				BC012653	Similar to chemokine (C-X3-C) receptor 1
				AF030313	NKG2D
				U74663	dipeptidyl peptidase I precursor
				X94151	MIP-1 alpha receptor
				M14222	cathepsin B proteinase
				BC004808	signal transducer and activator of transcription 1
				AF213389	ATP-binding cassette protein
				BC011092	chemokine (C-C) receptor 1
				M10416	beta-2 microglobulin mRNA
					activates NK cytotoxicity
					upregulates NK cytotoxic activity
					increases NK cytotoxicity
					mediates activation of murine NK cells
					involvement in NK lysis of tumor cells
					activates NK cell mediated cytotoxicity and induces secretion of IFN- γ
					activating natural killer receptor
					involvement in the cytotoxic functions of rat NK cells
					induction of NK cytotoxicity by IL-18
					required for IL-12-induced NK cell cytotoxicity
					induction of NK cells activation
					NF-kappa B activation in perforin expression of NK cells
					upregulated in activated murine NK cells
					induces release of perforin and granzyme and secretion of IFN-gamma
					stimulates NK activity
					interacts with NK receptor CD94 and stimulates NK activity
					activates NK cytotoxicity
					required NK cell-mediated lysis of target cells
					Engagement of the NK cell IgG Fc receptor results in tyrosine phosphorylation of the ζ chain.
					interferes with CD94/NKG2A inhibitory receptor recognition
					stimulates NK activity
					activates NK cell function
					triggers DNA fragmentation
					Dual functions of fractalkine/CX3C ligand 1 in trafficking of perforin+granzyme B+ cytotoxic effector lymphocytes
					triggers cytotoxicity in mouse NK cells
					requirement for the intracellular processing of granzyme A and granzyme B
					increases NK cytotoxicity
					protect NK cells from self-destruction after degranulation.
					requirements for in NK cell functions
					recruitment and activation of NK cells
					recruitment of NK cells
					enhancement of NK cell-mediated lysis via RAE1/NKG2D interactions